

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	7	("1229676"   "1378065").PN. OR ("4606711").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 06:53
L4	6	("3125031").URPN.	USPAT	OR	ON	2007/11/20 06:53
L7	8	("1780109").URPN.	USPAT	OR	ON	2007/11/20 06:53
L8	1	("2966898").URPN.	USPAT	OR	ON	2007/11/20 06:54
L9	1	("RE24500").URPN.	USPAT	OR	ON	2007/11/20 06:54
L11	2	("2538598").URPN.	USPAT	OR	ON	2007/11/20 06:54
L12	2	("493844").URPN.	USPAT	OR	ON	2007/11/20 06:54
L13	1	("146741").URPN.	USPAT	OR	ON	2007/11/20 06:55
L14	2	("2538598").URPN.	USPAT	OR	ON	2007/11/20 06:55
L16	1	("453641").URPN.	USPAT	OR	ON	2007/11/20 06:55
L18	25	("2028407"   "2133358"   "2290137"   "2353373"   "2463341"   "3161141"   "3323466"   "3463091"   "3473728"   "3560119").PN. OR ("3782865").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 06:55
L19	20	("0146741"   "0493844"   "0550328"   "1974225"   "2538598"   "2649053"   "2684036"   "3473728"   "Re24500").PN. OR ("4531899").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 06:56
L20	2	("2462063").URPN.	USPAT	OR	ON	2007/11/20 06:57
L21	3	("2073101").URPN.	USPAT	OR	ON	2007/11/20 06:57
L22	3	("2073101").URPN.	USPAT	OR	ON	2007/11/20 06:58
L23	40	("1370864"   "1906142"   "2423507"   "2695597"   "2759664"   "3572985"   "3909161"   "4005951"   "4086039"   "4274374"   "5006052"   "5015161"   "5066206"   "5135368"   "5240386"   "5284426"   "5302095"   "5370511"   "5375985"   "5383773"   "5399076"   "5472327"   "5597295"   "5855474"   "5871342"   "6079952"   "6089830"   "6093005"   "6099279"   "6152714"   "6164941"   "6179593"   "6203301"   "6217303"   "RE29230").PN. OR ("6746223").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 06:59
L24	11	("0015641"   "2783714"   "2841089").PN. OR ("4526521").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:03
L25	3	("2783714").URPN.	USPAT	OR	ON	2007/11/20 07:05

## EAST Search History

L26	4	("2684036").URPN.	USPAT	OR	ON	2007/11/20 07:05
L27	2	("2649053").URPN.	USPAT	OR	ON	2007/11/20 07:05
L28	3	("2561280").URPN.	USPAT	OR	ON	2007/11/20 07:06
L29	3	("2073101").URPN.	USPAT	OR	ON	2007/11/20 07:06
L30	1	("141226").URPN.	USPAT	OR	ON	2007/11/20 07:06
L31	45	("0300629"   "0353705"   "0433088"   "0910175"   "1683390"   "1780109"   "1906142"   "1973670"   "2100014"   "2187730"   "2423507"   "2695597"   "2859911"   "2965288"   "3125031"   "3463091"   "3563678"   "3909161"   "3977369"   "4005951"   "4235572"   "4406600"   "4637786"   "4806039"   "4810176"   "4884955"   "5011386").PN. OR ("5383773").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:07
L32	2	("2462063").URPN.	USPAT	OR	ON	2007/11/20 07:07
L33	13	("1229676"   "2112890"   "2856860"   "3097610"   "3551079").PN. OR ("4789315").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:07
L34	27	("0457927"   "1471820"   "2324168"   "2825241"   "2841089"   "3000263"   "3125032"   "3463091"   "3560119"   "3817664"   "3989422"   "4121438"   "4325683"   "4437820"   "4606711"   "4789315").PN. OR ("5024114"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:08
L35	4	("1378065").URPN.	USPAT	OR	ON	2007/11/20 07:09
L36	11	("0589076"   "1061181"   "1969192"   "2344159"   "2966898").PN. OR ("3839995").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:10
L37	9	("2112890"   "3909161"   "3981641"   "4005951"   "5597293").PN. OR ("6179593").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:11
L38	5	("2112890"   "3989422").PN. OR ("6164941").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:12
L39	21	("0999371"   "1004696"   "2071799"   "2243899"   "2243901"   "2942774").PN. OR ("3572985"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:12
L40	6	("2759664").URPN.	USPAT	OR	ON	2007/11/20 07:14

## EAST Search History

L41	28	("0385832"   "0406099"   "0592788"   "0801182"   "0940817"   "1119972"   "1451859"   "1701792"   "2112890"   "3307525"   "4402653"   "5316455"   "5681156").PN. OR ("6217303").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:15
L42	3	("1974225").URPN.	USPAT	OR	ON	2007/11/20 07:16
L43	2	("550328").URPN.	USPAT	OR	ON	2007/11/20 07:16
L44	9	("0801182"   "2841089"   "4259043"   "4526521"   "4609334").PN. OR ("5165878").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:17
L45	11	("1378065"   "2841089").PN. OR ("4527964").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:18
L46	6	("1378065"   "1560624"   "1973670").PN. OR ("3999904").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:19
L47	6	("2112890"   "6152714"   "6164491"   "6179593"   "6183228").PN. OR ("6406279").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 07:21
L48	3	("406099").URPN.	USPAT	OR	ON	2007/11/20 07:21
L49	3	("385832").URPN.	USPAT	OR	ON	2007/11/20 07:21
L50	38561	"418".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/20 08:21
L51	334	50 and scroll and (gap or clearance) and (width near2 vari\$4 or vary or varying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/20 08:22
L52	334	50 and scroll and (gap or clearance) and ((width near2 vari\$4) or vary or varying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/20 08:23
L53	109	50 and scroll and (gap or clearance) and (((width near2 vari\$4) or vary or varying) with (chamber or cylinder))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/20 08:23

## EAST Search History

L54	10	50 and scroll and (gap or clearance) and (((width near2 vari\$4) or vary or varying) with (chamber or cylinder) with (gap or clearance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/20 08:26
L55	90	50 and (gap or clearance) and (((width near2 vari\$4) or vary or varying) with (chamber or cylinder) with (gap or clearance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/20 08:26
L56	29	50 and (gap or clearance) and (((width near2 vari\$4) or vary or varying) with (chamber or cylinder) with (gap or clearance)) and (orbit\$4 or revolv\$4 or planetat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/20 08:29
L57	0	50 and (gap or clearance) and ((width near2 (vari\$4 or vary or varying)) with (chamber or cylinder) with (gap or clearance)) and (orbit\$4 or revolv\$4 or planetat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/20 08:29
L58	3	50 and (gap or clearance) and ((width near2 (vari\$4 or vary or varying)) with (chamber or cylinder) with (gap or clearance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/20 08:29
L59	26	("2189356"   "2203974"   "2455194"   "2466440"   "2664050"   "2789511"   "2911920"   "4392779"   "4718837").PN. OR ("4940402").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/20 08:31
S1	69	((("4708607") or ("3369399") or ("6203301") or ("4673339") or ("0146741") or ("0493844") or ("1780109") or ("1906141") or ("2538598") or ("RE24500") or ("2966898") or ("3125031") or ("3125032") or ("3645653") or ("3829256") or ("1229676") or ("5011386") or ("4606711") or ("6676392") or ("4431388"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/19 16:31
S2	7	("0453641"   "3125032"   "3560119"   "3782865").PN. OR ("6676392").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 17:04

## EAST Search History

S3	29	("0141226"   "0300628"   "0493844"   "0940817"   "2073101"   "2462063"   "2538598"   "2561280"   "2649053"   "2684036"   "2783714"   "3125031"   "3125032"   "4526521"   "4531899").PN. OR ("6203301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 17:05
S4	14	("3125032"   "3195470"   "3560119"   "3782865"   "3989422"   "4121438"   "4325683"   "4437820"   "4606711"   "4789315").PN. OR ("5011386").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 17:12
S5	7	("1229676"   "1378065").PN. OR ("4606711").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 17:18
S6	7	("0801182"   "3125031"   "3494293").PN. OR ("3829256").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 17:19
S7	7	("0801182"   "3125031"   "3494293").PN. OR ("3829256").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 17:21
S8	14	("1229676"   "1906142"   "2857763"   "3125032"   "3291063"   "3463091"   "3494293").PN. OR ("3645653").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 17:21
S9	3	("3369399").URPN.	USPAT	OR	ON	2007/11/19 17:22
S10	8	("3125032").URPN.	USPAT	OR	ON	2007/11/19 17:23
S11	8	("3125032").URPN.	USPAT	OR	ON	2007/11/19 17:25
S12	6	("3125031").URPN.	USPAT	OR	ON	2007/11/19 17:25
S13	1	("2966898").URPN.	USPAT	OR	ON	2007/11/19 17:25
S14	1	("RE24500").URPN.	USPAT	OR	ON	2007/11/19 17:26
S15	2	("2538598").URPN.	USPAT	OR	ON	2007/11/19 17:26
S16	5	("1906141").URPN.	USPAT	OR	ON	2007/11/19 17:26
S17	8	("1780109").URPN.	USPAT	OR	ON	2007/11/19 17:27
S18	8	("1780109").URPN.	USPAT	OR	ON	2007/11/19 17:29
S19	3	("1229676").URPN.	USPAT	OR	ON	2007/11/19 17:29
S20	2	("493844").URPN.	USPAT	OR	ON	2007/11/19 17:29
S21	1	("146741").URPN.	USPAT	OR	ON	2007/11/19 17:29
S22	25	("2028407"   "2133358"   "2290137"   "2353373"   "2463341"   "3161141"   "3323466"   "3463091"   "3473728"   "3560119").PN. OR ("3782865").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 17:30

## EAST Search History

S23	40	("1370864"   "1906142"   "2423507"   "2695597"   "2759664"   "3572985"   "3909161"   "4005951"   "4086039"   "4274374"   "5006052"   "5015161"   "5066206"   "5135368"   "5240386"   "5284426"   "5302095"   "5370511"   "5375985"   "5383773"   "5399076"   "5472327"   "5597295"   "5855474"   "5871342"   "6079952"   "6089830"   "6093005"   "6099279"   "6152714"   "6164941"   "6179593"   "6203301"   "6217303"   "RE29230").PN. OR ("6746223").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/19 17:32
-----	----	--	------------------------------	----	----	------------------